

INTERNATIONAL SEARCH REPORT

Int: onal Application No
PCT/US2005/015942

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G05B19/042

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | US 5 706 455 A (BENTON ET AL) 6 January 1998 (1998-01-06) column 1 - column 13; figures 1-5 | 1-37 |
| X | US 5 841 654 A (VERISSIMO ET AL) 24 November 1998 (1998-11-24) column 1 - column 17; figures 4,5 | 1-37 |
| A | WO 95/04314 A (FISHER-ROSEMOUNT SYSTEMS, INC) 9 February 1995 (1995-02-09) the whole document | 1-37 |
| A | US 2004/075689 A1 (SCHLEISS DUNCAN ET AL) 22 April 2004 (2004-04-22) cited in the application the whole document | 1-37 |

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

29 August 2005

Date of mailing of the international search report

05/09/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Morrish, I

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US2005/015942

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|--|--|
| US 5706455 | A | 06-01-1998 | US 5611059 A CA 2197876 A1 DE 69523325 D1 DE 69523325 T2 EP 0777870 A1 JP 10505179 T WO 9607957 A1 US 5675756 A US 5929855 A | 11-03-1997 14-03-1996 22-11-2001 27-06-2002 11-06-1997 19-05-1998 14-03-1996 07-10-1997 27-07-1999 |
| US 5841654 | A | 24-11-1998 | US 6095674 A | 01-08-2000 |
| WO 9504314 | A | 09-02-1995 | US 5594858 A CN 1130430 A ,C DE 69426980 D1 DE 69426980 T2 EP 0711429 A1 JP 3537051 B2 JP 9500996 T SG 49878 A1 WO 9504314 A1 | 14-01-1997 04-09-1996 03-05-2001 15-11-2001 15-05-1996 14-06-2004 28-01-1997 15-06-1998 09-02-1995 |
| US 2004075689 | A1 | 22-04-2004 | CN 1542575 A DE 10348563 A1 DE 10348564 A1 GB 2395801 A GB 2396026 A JP 2004199655 A JP 2004199656 A US 2005096872 A1 US 2004153804 A1 | 03-11-2004 27-05-2004 13-05-2004 02-06-2004 09-06-2004 15-07-2004 15-07-2004 05-05-2005 05-08-2004 |